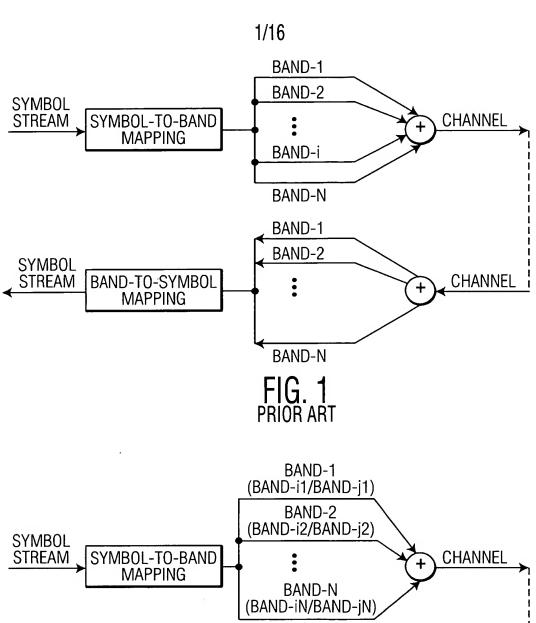


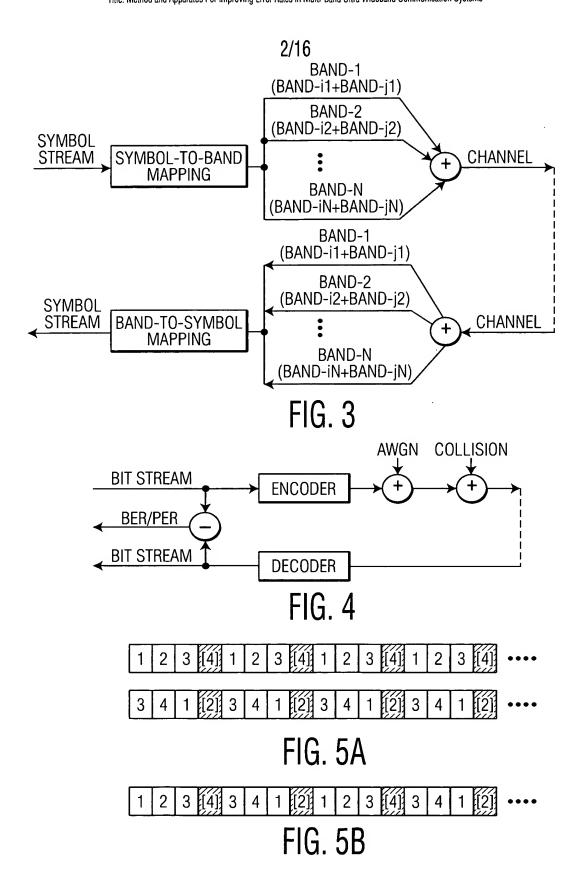
Inventors: Shaomin Samuel Mo et al.
Attorney Docket: MATI-238US
Title: Method and Apparatus For Improving Error Rates in Multi-Band Ultra Wideband Communication Systems

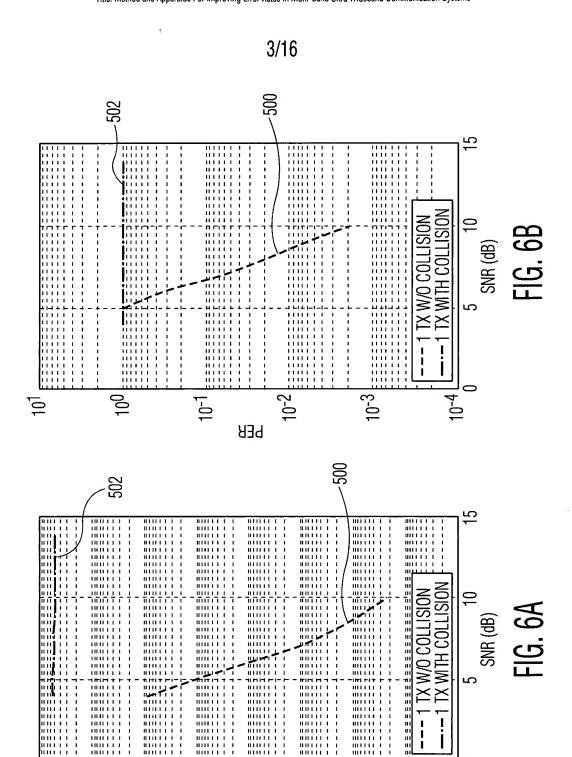


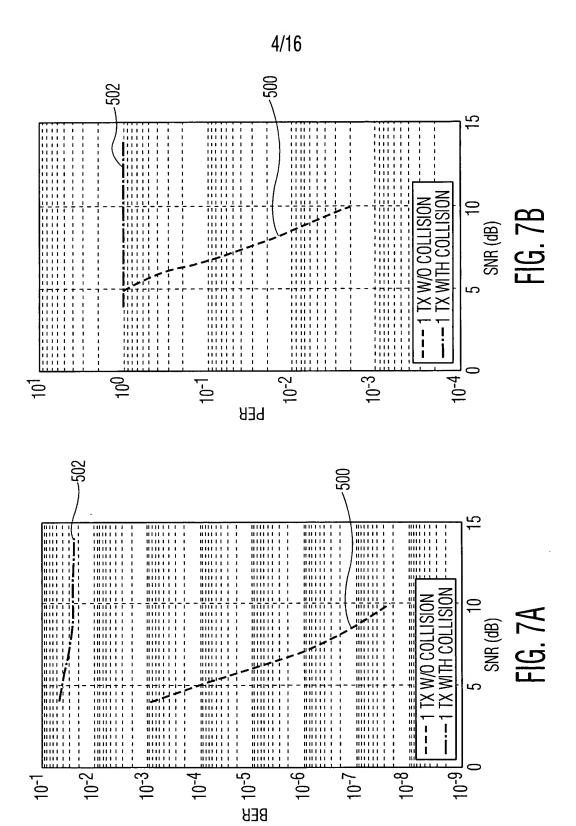
SYMBOL-TO-BAND BAND-N (BAND-iN/BAND-jN)

SYMBOL STREAM BAND-TO-SYMBOL BAND-TO-SYMBOL BAND-N (BAND-iN/BAND-jN)

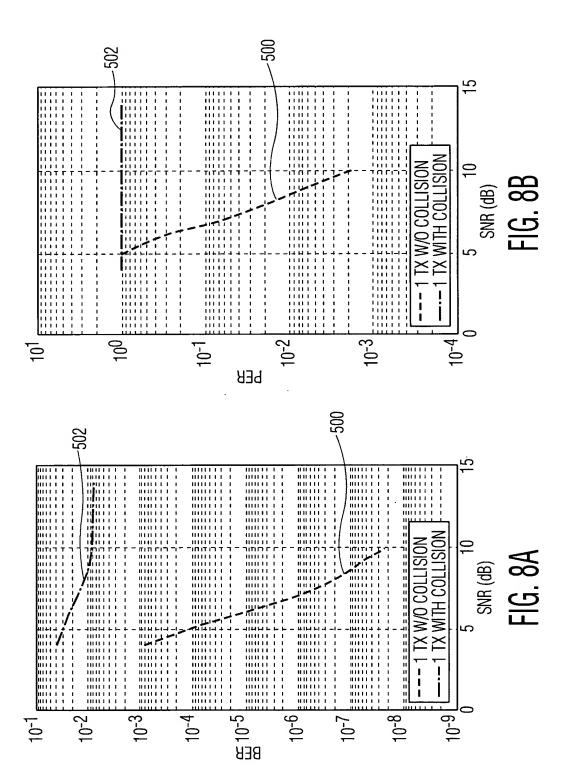
FIG. 2

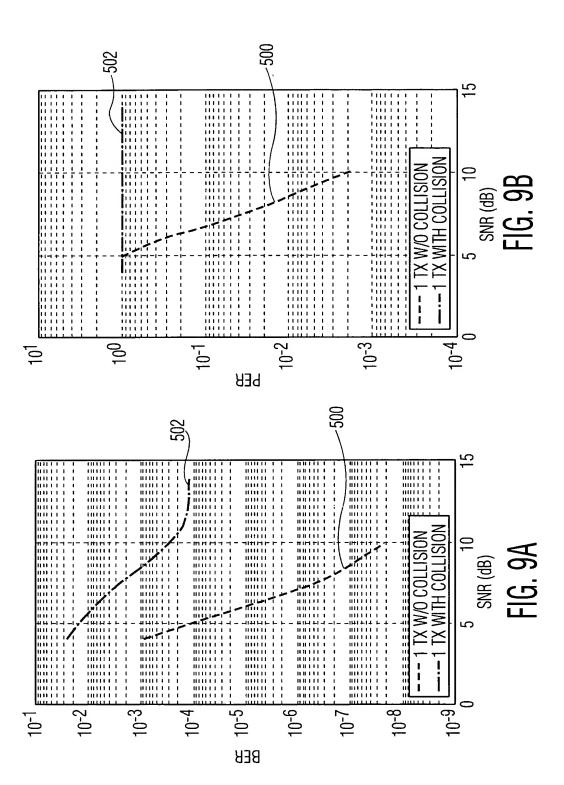




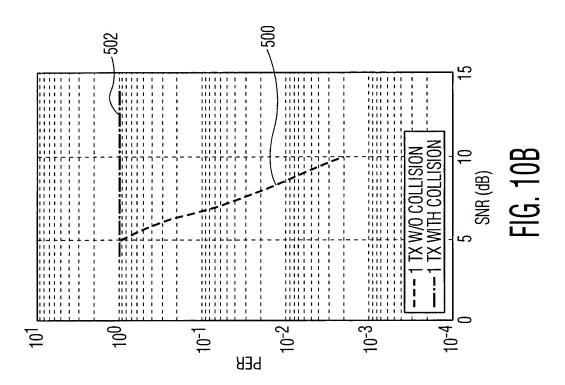


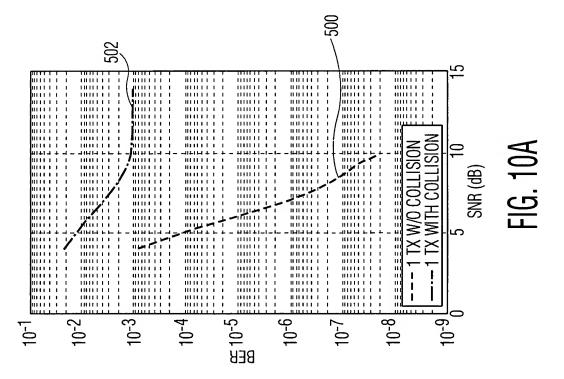


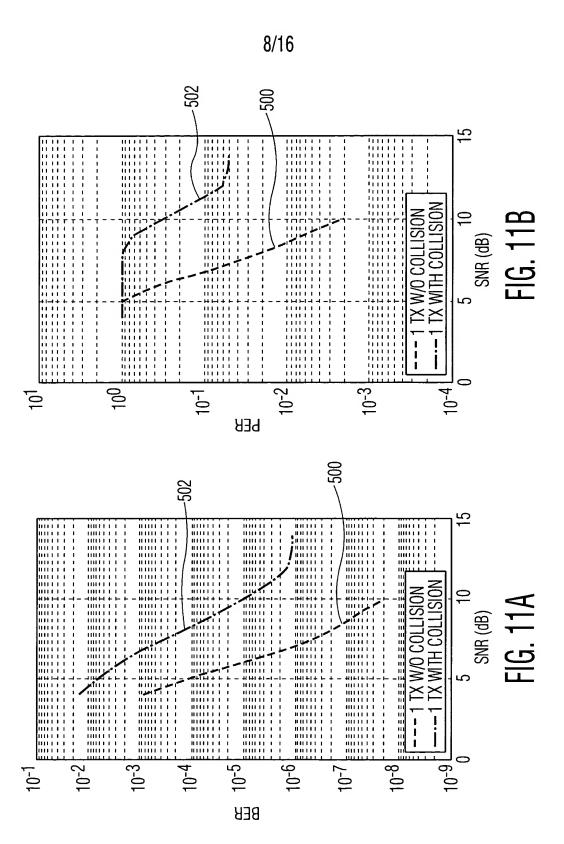


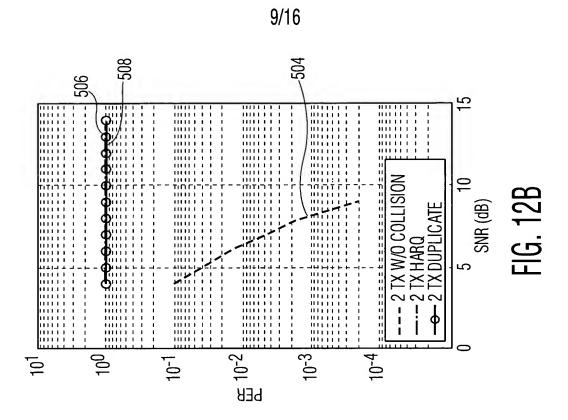


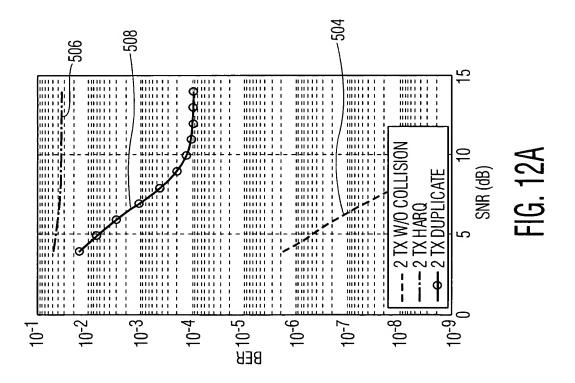




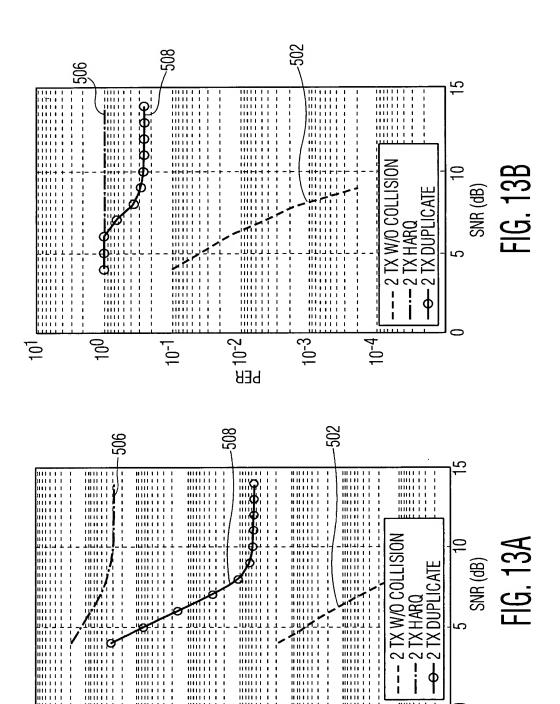








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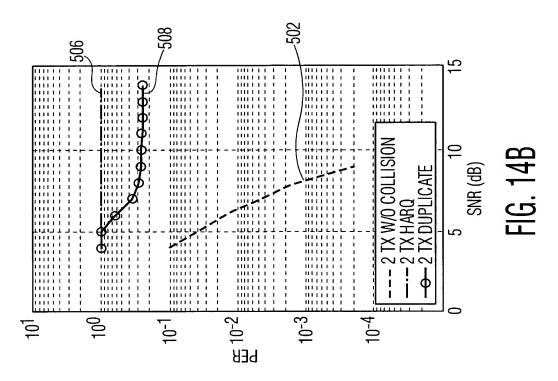


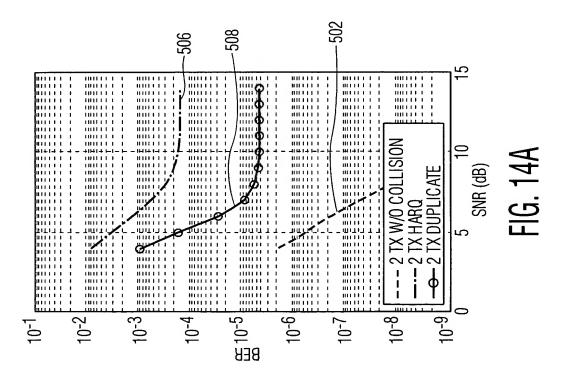
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10-2

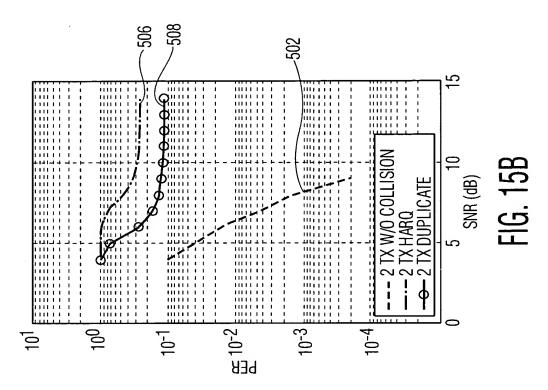
10-1

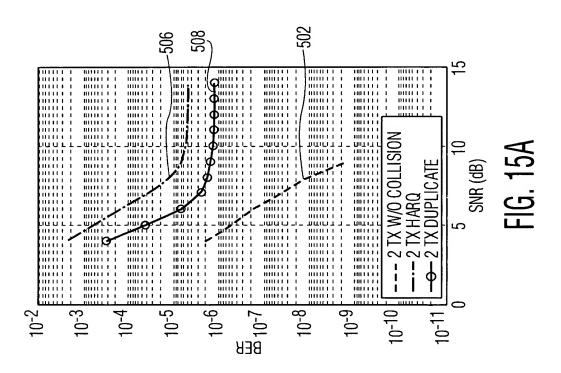




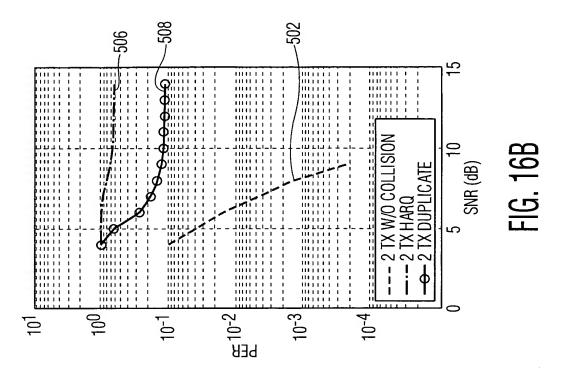


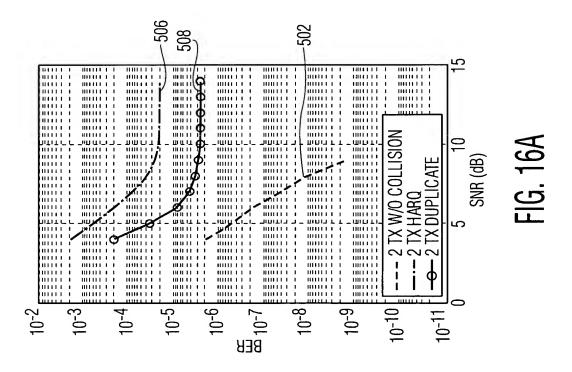




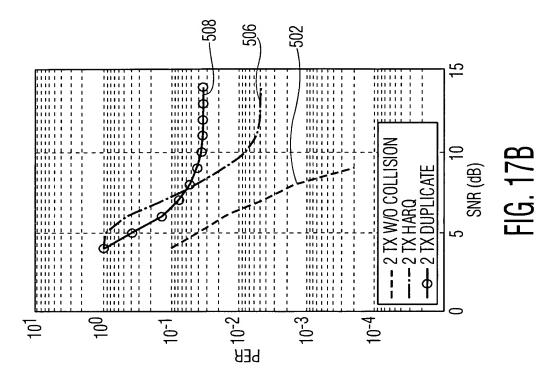


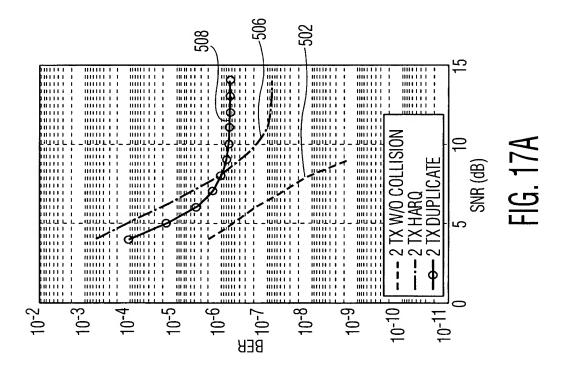
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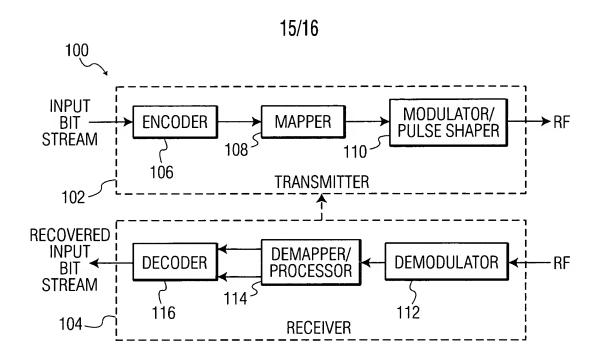


FIG. 18

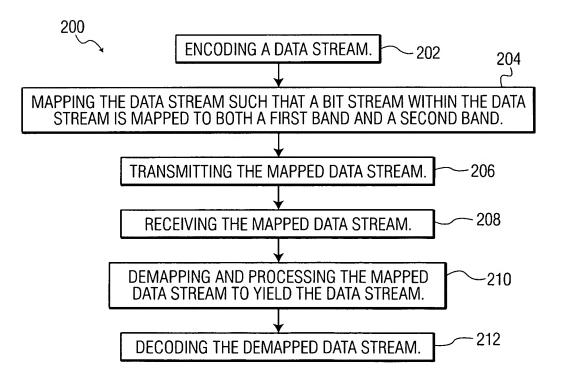


FIG. 19

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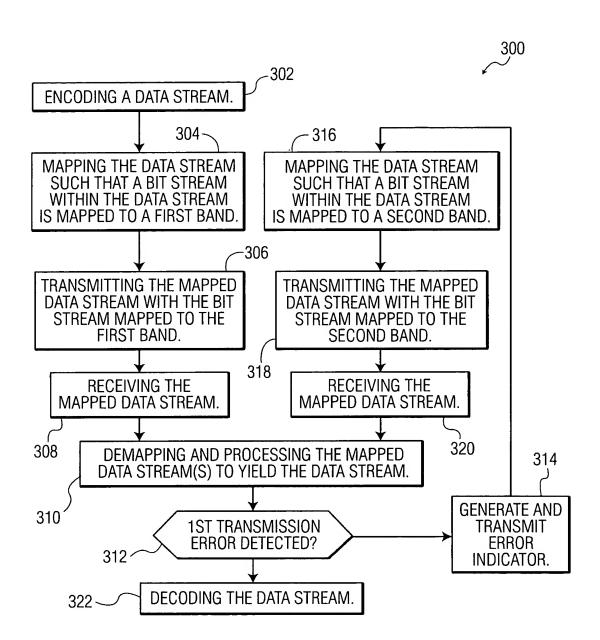


FIG. 20